

09/929023

PLUS
Search

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PLUS Search Results for S/N 09929023, Searched July 01, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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09929023_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 09929023 on July 01, 2004

Original Classifications

4	455/569.2
3	455/556.1
3	455/557
3	455/569.1
2	379/420.02
2	455/345
2	455/456.3
2	455/564
2	455/570
2	704/233
2	704/275

Cross-Reference Classifications

6	455/351
4	340/990
4	455/563
3	379/388.04
3	379/420.03
3	455/457
3	455/557
3	455/566
3	455/569.1
3	455/569.2
3	455/575.9
2	340/995.12
2	342/457
2	343/711
2	343/807
2	370/493
2	370/494
2	370/495
2	379/354
2	379/388.03
2	379/88.01
2	381/365
2	381/57
2	455/128
2	455/456.1
2	455/570
2	455/575.7
2	701/207
2	701/225
2	704/270

Combined Classifications

7 455/569.2
6 455/351
6 455/557
6 455/569.1
5 455/563
4 340/990
4 455/457
4 455/556.1
4 455/570
3 379/388.04
3 379/420.03
3 455/345
3 455/566
3 455/575.9
2 340/995.12
2 342/457
2 343/711
2 343/807
2 370/493
2 370/494
2 370/495
2 379/354
2 379/388.03
2 379/390.01
2 379/420.02
2 379/88.01
2 379/88.04
2 381/365
2 381/57
2 455/128
2 455/456.1
2 455/456.3
2 455/564
2 455/575.1
2 455/575.7
2 455/99
2 701/207
2 701/225
2 704/233
2 704/270
2 704/275

able 1
above 3
abstract 1
accessories 1
accommodate 1
accommodates 1
adapted 1
adjacent 6
adjust 1
advantage 3
after 1
air 1
aligned 1
all 2
allow 3
allowing 2
allows 2
almost 2
also 1
ambient 1
an 7
and 71
ann 1
another 5
answered 1
any 2
apparent 1
approach 2
approaches 2
arc 1
are 10
arm 4
around 4
arranged 1
arrangement 4
arrangements 1
art 1
as 10
assembly 2
at 7
attached 1
attempt 1
audio 1
avoids 1
background 1
battery 1
be 6
been 2

behind 2
 between 5
 both 4
 brief 1
 broadcast 1
 broadly 1
 bushings 6
 by 9
 call 1
 calls 1
 cannot 1
 captures 1
 car 1
 cd 1
 center 2
 centerline 3
 charge 1
 cigarette 1
 clarity 1
 close 2
 coincident 2
 column 1
 combination 3
 communicate 2
 communicated 2
 complains 1
 completely 1
 comprised 5
 concerns 2
 conditioning 1
 conditions 1
 configuration 1
 configured 1
 congested 1
 conjunction 1
 connect 3
 connected 1
 connecting 6
 connections 1
 console 1
 constrain 1
 constrained 1
 continues 1
 controls 2
 convenience 1
 conventional 1
 conversation 1
 countries 1

coupled 6
 couples 1
 currently 1
 dash 1
 dashboard 5
 depicts 1
 described 2
 description 2
 designed 1
 detached 1
 detailed 1
 details 1
 device 47
 devices 2
 diameter 2
 diameters 1
 different 4
 difficulty 2
 dimensions 1
 direction 1
 discerning 1
 disclosure 1
 does 2
 down 2
 drawings 3
 drive 1
 driver 7
 drivers 4
 driving 1
 during 1
 each 1
 ear 2
 ease 1
 easily 2
 effortless 1
 electrically 3
 elongated 12
 embodiment 2
 embodiments 1
 embraces 1
 employ 1
 employing 2
 employs 2
 end 6
 engage 3
 ensure 1
 environment 1
 environments 1

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especially 1
established 1
european 1
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exact 1
examples 1
exceedingly 1
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express 1
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extends 1
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fastened 2
fastener 6
field 1
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figure 1
finally 1
first 3
flexible 4
fm 1
followed 4
following 1
follows 1
for 14
frcc 1
free 28
frequently 1
from 6
further 2
generally 7
granted 1
greatly 1
hand 2
hands 30
handsets 1
handsfree 1
has 2
have 2
having 3
he 2
head 7
headrest 37
hear 2
hearing 1

heating 1
hen 1
highly 3
hold 1
holding 1
host 2
housing 10
idea 1
if 1
iimer 1
il 1
illustrates 2
illustration 2
improve 1
in 43
include 1
included 1
includes 7
incoming 1
inconvenience 1
incorporates 1
incorporating 2
increased 1
infbrmation 1
information 1
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inherent 1
inherently 1
inner 1
install 1
installation 2
installed 1
instant 2
integrally 2
integrated 1
intended 2
intermediate 1
intersects 2
into 4
invention 15
involved 1
involves 3
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is 41
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kits 4
laws 2
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lights 1
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limiting 1
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listener 1
located 1
locating 1
location 2
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loud 4
louder 1
ly 1
maimer 1
majority 1
manner 3
manually 1
marked 1
massive 1
matching 1
mating 3
may 2
means 1
mention 1
messages 1
method 5
microphone 28
mobile 25
module 7
moment 1
more 5
motor 1
mounted 6
mounting 7
mounts 1
mouth 2
movable 4
moved 1
movement 1
myriad 1
nature 1
nearly 1
necessity 1
neck 5
need 3

no 1
noise 1
non 1
not 2
noted 4
november 1
now 1
numerals 1
object 1
objective 2
obvious 1
occupant 12
occurs 1
of 122
on 14
one 4
operating 1
or 2
other 5
others 1
over 3
overall 1
pair 9
pans 1
parallel 2
part 1
partial 1
particular 1
particularly 1
party 1
passes 1
passing 1
patent 1
performance 1
perpendicular 3
phone 28
phones 5
physical 1
physically 3
pick 1
pillar 8
pillars 23
placed 1
plate 6
player 1
plurality 1
portable 2
portion 12

position 2
 positionable 2
 positionally 1
 positioned 1
 positioning 2
 positions 1
 power 2
 preferred 2
 present 2
 primary 1
 prior 2
 problem 1
 problems 1
 procedure 1
 produces 1
 prohibit 1
 projection 2
 proliferation 1
 provide 2
 provided 5
 provides 1
 providing 2
 provision 1
 proximate 2
 proximity 1
 proxinuty 1
 quite 1
 radio 3
 range 1
 rarely 1
 rather 1
 readily 1
 receive 1
 recent 1
 recently 1
 receptacles 1
 reduces 1
 reference 2
 region 2
 reinstalling 1
 relates 1
 relationship 7
 relative 1
 remarkably 1
 removing 2
 represent 1
 resides 4
 response 2

returning 1
roof 1
rotatably 1
safety 1
sales 1
same 2
scat 1
seat 23
second 1
section 4
secure 3
secured 12
secures 1
securing 5
selects 1
separate 2
several 1
shaped 3
should 1
shout 1
shouting 2
shown 2
side 1
signals 1
similar 1
simple 2
simultaneously 5
since 1
single 1
sized 2
sizes 1
slidably 1
slowing 1
small 1
so 1
some 2
span 6
spans 1
speaker 22
speakerphone 1
speakers 1
specifically 1
speech 1
stable 4
standardization 1
steer 1
steering 3
step 1

steps 1
still 1
strap 24
structural 2
structurally 3
structure 25
structures 1
sts 1
subject 1
such 6
summary 1
sun 1
support 21
swing 1
takes 1
tape 1
teaches 1
than 1
that 30
the 244
their 5
then 4
there 2
thereby 7
therein 1
thereof 2
thereto 1
these 3
they 1
this 7
through 3
throughout 1
tile 2
to 69
top 9
traffic 1
transmission 1
turn 1
two 2
type 6
unavoidable 1
under 1
unit 1
universal 1
universally 1
up 1
upon 1
usc 1

use 17
used 1
user 11
using 1
usual 1
usually 1
utility 1
utilize 1
variety 1
various 1
vehicle 37
vehicles 2
via 5
view 2
views 1
virtually 1
visor 1
voice 4
way 1
well 2
wheel 1
when 5
wherein 3
which 9
while 6
wide 2
windshield 1
wipers 1
wiring 1
with 36
words 1
world 1
years 1
yet 2

09929023_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09929023 on July 01, 2004

- 7 455/569.2 (4 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 ,
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/569.1 ..Hands-free or loudspeaking arrangement
 455/569.2 ...In vehicle
- 6 455/351 (0 OR, 6 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/347 .Cabinet, housing, or chassis structure
 455/351 ..Transportable
- 6 455/557 (3 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 ,
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/557 ..Interface attached device (e.g., interface
 with modem, facsimile, computer, etc.)
- 6 455/569.1 (3 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 ,
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/569.1 ..Hands-free or loudspeaking arrangement
- 5 455/563 (1 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 ,
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/563 ..Having voice recognition or synthesization
- 4 340/990 (0 OR, 4 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL

09929023_CLSTITLES

340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/990 ..With map display

4 455/457 (1 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422.1 .Zoned or cellular telephone system
455/456.1 ..Location monitoring
455/457 ...Location display

4 455/556.1 (3 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)
455/550.1 .Radiotelephone equipment detail
455/556.1 ..Integrated with other device

4 455/570 (2 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)
455/550.1 .Radiotelephone equipment detail
455/569.1 ..Hands-free or loudspeaking arrangement
455/570 ...Noise suppression or echo cancellation

3 379/388.04 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
379/388.01 .For loudspeaking terminal
379/388.04 ..Voice control of transmission direction

3 379/420.03 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/419 TERMINAL
379/420.01 .Having loudspeaking conversation capability
(e.g., hands- free type or speakerphone)
379/420.03 ..Hands-free microphone feature

3 455/345 (2 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/344 .Combined with diverse art device
455/345 ..With vehicle

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3 455/566 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/566 ..Having display

3 455/575.9 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 TRANSCEIVER)
 455/550.1 .Radiotelephone equipment detail
 455/575.1 ..Housing or support
 455/575.9 ...In vehicle

2 340/995.12 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995.1 .Map display
 340/995.12 ..Transmission of map data to vehicle

2 342/457 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/450 .Position indicating (e.g., triangulation)
 342/457 ..Land vehicle location (e.g., bus, police car)

2 343/711 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/711 .With vehicle

2 343/807 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/793 .Balanced doublet - centerfed (e.g., dipole)
 343/807 ..Tapered, thick, or enlarged arms

2 370/493 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/480 .Combining or distributing information via
 frequency channels

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- 370/493 ..Combined voice and data transmission
- 2 370/494 (0 OR, 2 XR)
 - Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/473 ..Transmission of a single message having multiple packets
 - 370/480 .Combining or distributing information via frequency channels
 - 370/493 ..Combined voice and data transmission
 - 370/494 ...Data over voice
- 2 370/495 (0 OR, 2 XR)
 - Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/473 ..Transmission of a single message having multiple packets
 - 370/480 .Combining or distributing information via frequency channels
 - 370/493 ..Combined voice and data transmission
 - 370/495 ...Data under voice
- 2 379/354 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/350 SUPERVISORY OR CONTROL LINE SIGNALING
 - 379/352 .Substation originated
 - 379/354 ..With called number display
- 2 379/388.03 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
 - 379/388.01 .For loudspeaking terminal
 - 379/388.02 ..Speakerphone with build-in microphone
 - 379/388.03 ...Automatic gain or volumn (AGC or AVC)
- 2 379/390.01 (1 OR, 1 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
 - 379/388.01 .For loudspeaking terminal
 - 379/390.01 ..Amplification or attenuation level control
- 2 379/420.02 (2 OR, 0 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/419 TERMINAL
 - 379/420.01 .Having loudspeaking conversation capability (e.g., hands- free type or speakerphone)
 - 379/420.02 ..Hands-free loudspeaker feature
- 2 379/88.01 (0 OR, 2 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS

09929023_CLSTITLES

- 379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
- 379/88.01 .Voice activation or recognition
- 2 379/88.04 (1 OR, 1 XR)
 - Class 379 : TELEPHONIC COMMUNICATIONS
 - 379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
 - 379/88.01 .Voice activation or recognition
 - 379/88.04 ..Voice controlled message management
- 2 381/365 (0 OR, 2 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
 - 381/355 .Housed microphone
 - 381/361 ..Mounting or support
 - 381/365 ...In electronic apparatus or vehicle
- 2 381/57 (0 OR, 2 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/56 MONITORING OF SOUND
 - 381/57 .Amplification control responsive to ambient sound
- 2 455/128 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/91 TRANSMITTER
 - 455/128 .With casing or housing
- 2 455/456.1 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422.1 .Zoned or cellular telephone system
 - 455/456.1 ..Location monitoring
- 2 455/456.3 (2 OR, 0 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422.1 .Zoned or cellular telephone system
 - 455/456.1 ..Location monitoring
 - 455/456.3 ...Position based personal service
- 2 455/564 (2 OR, 0 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

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TRANSCIEVER)

455/550.1 .Radiotelephone equipment detail
 455/564 ..Auto-dialing or repertory dialing (e.g.,
 using bar code, etc.)

2 455/575.1 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCIEVER)

455/550.1 .Radiotelephone equipment detail
 455/575.1 ..Housing or support

2 455/575.7 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCIEVER)

455/550.1 .Radiotelephone equipment detail
 455/575.1 ..Housing or support
 455/575.7 ...Having specific antenna arrangement

2 455/99 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/95 .Mobile or portable
 455/99 ..With vehicle

2 701/207 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment

2 701/225 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/225 .Determining range without range measurement

2 704/233 (2 OR, 0 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/231 .Recognition
 704/233 ..Detect speech in noise

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2 704/270 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application

2 704/275 (2 OR, 0 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application
704/275 ..Speech controlled system

09929023_QUAL

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5687230 62
5299132 61
5398190 61
5513111 61
5519621 61
5652707 61
5832394 61
5884221 61
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